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TITLE: HIGH-OUTPUT AC GENERATOR

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ABSTRACT:

PURPOSE: To provide a high-output AC generator, in which the quantity of power generation is controlled properly by controlling magnetic flux density in response to rotational speed.

CONSTITUTION: A control ring 7 is arranged between a rotor 3 and a stator 5 relatively rotatably while a permeable body 10 capable of being contacted with or separated from the control ring 7 is mounted. The stator 5 is composed of the tooth section 12 of the stator 5 and slots 13 among these teeth sections, and the control ring 7 is constituted of a control tooth section 15 and a non-magnetic member. The permeable body 10 is moved in the axial direction by a flux adjusting actuator 19, and brought to a contact or non-contact state with the control ring 7, and the control ring 7 is rotated by a rotary actuator 8, the control tooth section 15 is aligned with the tooth section 12 or the slots 13, and magnetic flux density to a permanent magnet 9 of the rotor 3 can be converted in response to rotational speed.

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